

App. No. 09/245,292

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PROPOSED CLAIM AMENDMENTS

Claim 1 (currently amended): A switching center for a communications system that provides communications services to customers having wireless and other communications devices, comprising:

a single platform having a single back plane for communication, the single platform, comprising:

a first interface coupled to the single back plane, the first interface receiving and sending digital messaging having a first protocol;

a second interface coupled to the single back plane, the second interface receiving and sending digital messaging having a second protocol; and

a processor system coupled to the first and second interfaces, wherein the processor system controls operation of the first and the second interfaces and generates control messages for sending by the first and the second interfaces.

Claim 27 (currently amended): A mobile switching center, comprising:

a single housing having a single back plane for communications, comprising:

a central processor coupled to the single back plane that processes incoming signals, wherein the incoming signals are switched in a telecommunications network; and

a wireless interface module coupled to the central processor that supports two or more wireless protocols.

Claim 47 (currently amended): A method for controlling communications in a multi-protocol wireless network, comprising:

receiving first digital communications according to a first protocol at a first interface in a common housing;

sending a first control message according to the first protocol;

receiving second digital communications according to a second protocol at a second interface in the common housing; and

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sending a second control message according to the second protocol, wherein a processor in a switching center interprets the first and the second digital communications and generates the first and the second control messages, and wherein the switching center is located in the common housing;

receiving intrasystem communications at a intrasystem message handler; and
receiving intersystem communications at a intersystem message handler, the message handlers located in the common housing.

Claim 48 (canceled).

Claim 49 (currently amended): The method of claim 48 ~~47~~, wherein the intrasystem message handler operates according to IS-634 and GSM standards and the intersystem message handler operates according to IS-41 and GSM standards.

Claim 105 (currently amended): A switching center for communication system that provides communications services to customers having wireless and other communications devices, comprising:

a first interface, the first interface receiving and sending digital messaging having a first protocol;

a second interface, the second interface receiving and sending digital messaging having a second protocol, wherein the second interface comprises an asynchronous transfer mode (ATM) interface, the ATM interface providing wireless ATM communications and other packet communications; and

a processor system coupled to the first and the second interfaces, wherein the processor system controls operation of the first and the second interfaces and generates control messages for sending by the first and the second interfaces; and

a single platform having a single communications back plane, the single housing enclosing the first interface, the second interface, and the processor system, wherein the first interface, the second interface, and the processor system are coupled to the single back plane.

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Claim 106. (currently amended) A mobile switching center, comprising:

a central processor that processes incoming signals wherein the incoming signals are switched in a telecommunications network; and

a wireless interface module that supports two or more wireless protocols, wherein the wireless interface module comprises asynchronous transfer mode (ATM) interface, the ATM interface providing wireless ATM communications and other packet communications; and

a single platform having a single communications back plane, the single housing enclosing the central processor and the wireless interface module, the single communications back plane coupled to the central processor and the wireless interface module.

Claim 107 (currently amended): A switching center for a communication system that provides communications services to customers having wireless and other communications devices, comprising:

a first interface, the first interface receiving and sending digital messaging having a first protocol;

a second interface, the second interface receiving and sending digital messaging having a second protocol; and

a processor system coupled to the first and second interfaces, the processor system comprising a single operating system for communications received at the first and the second interfaces, wherein the processor system controls operation of the first and the second interfaces and generates control messages for sending by the first and the second interfaces; and

a single platform having a single communications back plane, the single housing enclosing the first interface, the second interface, and the processor system, the single communications back plane coupled to the central processor and the wireless interface module.